

NEVADA DIVISION OF ENVIRONMENTAL PROTECTION

FACT SHEET
(pursuant to NAC 445A.236)

Permittee Name: *Black Mountain Golf and Country Club
Black Mountain Golf Course
500 Greenway Road
P. O. Box 91566
Henderson, Nevada 89009-1566*

Permit Number: *NEV96017*

Description of Discharge

Location: *Black Mountain Golf Course
500 Greenway Road
Clark County
Henderson, Nevada 89015*

Characteristics: *The reclaimed (reuse) water used on the 27 hole Black Mountain Golf and Country Club and common area for drip and spray irrigation on turf grass and other plant materials is tertiary treated, denitrified and disinfected effluent supplied by the City of Henderson Water Reclamation Facility (COHWRf, Permit #NEV80003). At times effluent may be blended with municipal water in the concrete lined effluent pumping/supply ponds for use in accordance with the NDEP approved Black Mountain Golf Course's Effluent Management Plan (EMP).*

Flow: *1.35 MGD Effluent 30-Day Average*

Quantities:

The discharge shall be limited and monitored by the Permittee as specified below:

TABLE I.1

<u>PARAMETERS</u>	<u>EFFLUENT DISCHARGE LIMITATIONS</u>		<u>MONITORING REQUIREMENTS</u>	
	30-Day Average	Monthly Maximum	Measurement Frequency	Sample Type
Irrigation Rate Flow Million Gallons² (MG)	Monitor & Report MG/Day	Monitor & Report MG/Month	Continuous	Flow Meter
Annual Application Volume³ (AF)	1510 Acre-Feet/Year (x 0.326=Million gallons)		Cumulative annual total	Flow Meter (totalizers)
Fecal Coliform¹	2.2 CFU	23 CFU (MPN)/	Weekly	Discrete

<u>PARAMETERS</u>	<u>EFFLUENT DISCHARGE LIMITATIONS</u>		<u>MONITORING REQUIREMENTS</u>	
(CFU/MPN)	(MPN)/100 ml	100 ml		

1. Sample results are to be obtained from NEV80003 and reported by Permittee.
2. Monthly application rates in the Effluent Management Plan (EMP) should be used as a guide.
3. Based upon 110% of the Application Volume determined from the consumptive use balance in the EMP and is to be submitted with the 4th Quarter DMR.

FACT SHEET

Black Mountain Golf and Country Club

#NEV96017

Page 2

General: The applicant reuses effluent for irrigation of turf grass and other plant materials on the 141 acre Black Mountain Golf and Country Club 27 hole course, and adjacent common areas. Application of effluent will be via spray and drip irrigation in accordance with the approved Effluent Management Plan (EMP) and as required by the permit. There are two concrete lined effluent irrigation storage lakes which supply irrigation water; and municipal water may be blended into the lakes via an air-gap discharge to supplement the quantity of reuse water.

Water conservation efforts imposed by the Southern Nevada Water Authority has resulted in taking 49 acres of turf grass out of irrigation from the property during the past permitted period.

Receiving Water Characteristics: Groundwater in the area is approximately 325' in depth. No adverse effects are expected to occur as a result of this effluent reuse. Groundwater monitoring is not required.

Procedures for Public Comment:

The Notice of the Division's intent to issue a permit authorizing the facility to discharge to the groundwater of the State of Nevada subject to the conditions contained within the permit, is being sent to the **Las Vegas Review Journal** and **Henderson Home News** for publication. The notice is being mailed to interested persons on our mailing list. Anyone wishing to comment on the proposed permit can do so in writing for a period of 30 days following the date of the public notice. The comment period can be extended at the discretion of the Administrator.

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator or any interested agency, person or group of persons.

The request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted.

Any public hearing determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determined to be appropriate. All public hearings must be conducted to accordance with NAC 445A.238.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

Proposed Determination

The Division has made the tentative determination to reissue the proposed permit for a

5 year period.

Schedule of Compliance :

The Permittee shall implement and comply with the provisions of the following schedule of compliance after approval by the Administrator, including in said implementation and compliance, any additions or modifications which the Administrator may make in approving the schedule of compliance.

- a. The Permittee shall achieve compliance with the effluent flow monitoring requirements upon issuance of the permit.

FACT SHEET

Black Mountain Golf and Country Club

#NEV96017

Page 3

- b. Any revisions to the approved Effluent Management Plan (EMP) shall be submitted within 90 days of permit issuance. One copy shall be submitted to Nadir Sous of the NDEP, Bureau of Water Pollution Control (BWPC), Las Vegas office at 2030 E. Flamingo Rd., Suite 230, Las Vegas, and one copy to Diana Silsby of the NDEP, BWPC, at 901 South Stewart Street, Suite 4001, Carson City, NV 89701.
- c. **The Permittee shall submit an annual report each year of the cross-connection control documentation, as required by Part I.B.11 of the permit, with the 4th Quarter Report. The report shall document the cross-connection control inspections, including the annual shut down tests for the permitted site which shall be conducted by an AWWA Certified Cross-Connection Control Specialist in conjunction with the the City of Henderson Back Flow Prevention and Cross-Connection Control Staff.**

Rationale for Permit Requirements

Fecal Coliform is monitored to ensure effluent reuse quality is maintained in accordance with NAC 445A.276.

Application volumes are monitored such that they must be in accordance with Consumptive Use Balance described in the EMP.

Prepared by: Icyl C. Mulligan
March 20, 2008

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